

AP7 Rec'd PCT/PTO 21 APR 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER AND-5001-US  U.S. APPLICATION NO. If known, file 37 CFR 1.51 To Be Assigned <b>10/576675</b>
INTERNATIONAL APPLICATION NO. PCT/US2004/034915	INTERNATIONAL FILING DATE 21 October 2004 (21.10.2004)	PRIORITY DATE CLAIMED 21 October 2003 (21.10.2003)
TITLE OF INVENTION MOLECULES FOR MODULATING ACTIVITY OF TOLL-LIKE RECEPTORS AND METHOD OF USING THE SAME		
APPLICANT(S) FOR DO/EO/US Rosario BILLETTA and Berent J. PRAKIKEN		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
To Be Assigned <b>10/576675</b>		PCT/US2004/034915		AND-5001-US	
20. Other items or information:					
Forms PCT/IB/308, PCT/IB/301, PCT/ISA/220, 210 & 237; Courtesy copies: WO 2005/040208 A2 & A3, RECORDED Assignment; Statement & paper copy-Sequence Listing; Diskette-CRF of Seq. Listing; Rule 92bis Request; Return Postcard					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$ 200.00	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))				\$ 500.00	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				1000.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
59 - 100 =	0 /50 =	0	x \$250	\$ 0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	17 - 20 =	0	x \$ 50	\$ 0.00	
Independent claims	2 - 3 =	0	x \$200	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 1000.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				500.00	
SUBTOTAL =				\$ 500.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 500.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 500.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

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- a. ☒ A check in the amount of \$ 500.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

*I hereby certify that this paper,  
and all papers accompanying this  
paper, are being submitted via the  
USPS "Express Mail - Post Office  
& Addressee" service using Express  
Mail Label No. ED 743408428 US  
on 21 April 2006 in an envelope addressed to:  
Mail Stop. PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22315-1450*

*[Signature]*

SIGNATURE

Daniel M. Chambers

NAME

34,561

REGISTRATION NUMBER

*[Signature]*  
Daniel M. Chambers

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL  
For FY 2006**☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 500.00

**Complete If Known**

Application Number	To Be Assigned
Filing Date	21 April 2006
First Named Inventor	Rosario Billelta
Examiner Name	To Be Assigned
Art Unit	To Be Assigned
Attorney Docket No.	AND-5001-US

10/576675

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): Check for \$500.00☐ Deposit Account Deposit Account Number: Deposit Account Name:

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

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**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	\$500.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
17 - 20 or HP =	0	x	= 0

HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
2 - 3 or HP =	0	x	= 0

HP = highest number of independent claims paid for, if greater than 3.

<b>Multiple Dependent Claims</b>	
<b>Fee (\$)</b> <b>Fee Paid (\$)</b>	
	0

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
78 - 100 =	0	/ 50 = 0 (round up to a whole number) x		= 0

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

**Fees Paid (\$)****SUBMITTED BY**

Signature	Registration No. (Attorney/Agent) 34,561	Telephone (858) 350-9690
Name (Print/Type) Daniel M. Chambers		Date 21 April 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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BIO TECHNOLOGY LAW GROUP  
527 N. HIGHWAY 101, SUITE F  
SOLANA BEACH, CA 92075-1173  
TEL: 858-350-9690 FAX: 858-350-9691

# Fax

<b>To:</b> Mail Stop- PCT Commissioner for Patents	<b>From:</b> BioTechnology Law Group
<b>Fax:</b> 571-273-3201	<b>Date:</b> March 4, 2006
<b>Phone:</b> 571-272-4300	<b>Pages:</b> 2 (Including cover page)
<b>Re:</b> Request to Change Correspondence Address	<b>CC:</b>

☐ Urgent    ☒ For Review    ☐ Please Comment    ☐ Please Reply    ☐ Please Recycle

**Comments:**

International Application No.: PCT/US04/34915

Filed: 10/21/2004

Attorney Ref. No.: AND-5001-PC

Please change your records to reflect new agent address. This facsimile transmission includes the following: **Request Pursuant to PCT Rule 92 bis...(1 page)**.

Thank you for your assistance and please do not hesitate to contact BioTechnology Law Group at the number referenced above should you have any questions or comments.

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\*\*\* TX REPORT \*\*\*

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PGS. SENT	33	
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BioTECHNOLOGY LAW GROUP  
 2700 E. 10th Street  
 Suite 1000  
 Fort Collins, CO 80526-1000  
 Tel: 970-226-1100 Fax: 970-226-1101

**Fax**

**To:** Mail Stop- PCT  
 Commissioner for Patents

**From:** BioTechnology Law Group

**Fax:** 571-273-3201

**Date:** March 4, 2006

**Phone:** 571-272-4300

**Pages:** 2 (including cover page)

**Re:** Request to Change Correspondence  
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**Comments:**

International Application No.: PCT/US2005/46889

Filed: 12/22/2005

Attorney Ref. No.: AMS-1001-PC

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527 N. HIGHWAY 101, SUITE F  
SOLANA BEACH, CA 92075-1173  
TEL: 858-350-9690 FAX: 858-350-9691

# Fax

To: The International Bureau of WIPO From: BioTechnology Law Group  
Fax: 01141227335428 Date: 6-3-2006  
Phone: Pages: 2 (Including cover page)  
Re: Change of Agent Address under PCT Rule 92 bis.  
93 bis.

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**Comments:**

International Application No.: PCT/US04/34915

Filed: 10/21/2004

Attorney Ref. No.: AND-5001-PC

Please change your records to reflect new agent address. This facsimile transmission includes the following: **Request Pursuant to PCT Rule 92 bis...(1 page).**

Thank you for your assistance and please do not hesitate to contact BioTechnology Law Group at the number referenced above should you have any questions or comments.

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Date: 3-7-06

\*\*\*\*\*  
\*\*\* TX REPORT \*\*\*  
\*\*\*\*\*

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TX/RX NO 0040  
CONNECTION TEL 01141227335428  
CONNECTION ID  
ST. TIME 03/06 16:05  
USAGE T 04'57  
PGS. SENT 46  
RESULT OK

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BioTECHNOLOGY LAW GROUP  
10110th Street, Suite 100  
San Diego, CA 92121-1101  
Tel: 619-594-9900 Fax: 619-594-9901

# Fax

To: The International Bureau of WIPO From: BioTechnology Law Group

Fax: 01141227335428

Date: 6-3-2006

Phone:

Pages: 2 (Including cover page)

Re: Change of Agent Address under PCT RuleCC:  
93 bis.

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**Comments:**

International Application No.: PCT/US2005/002278 Filed: 1/25/2005

Attorney Ref. No.: NPT-0120-PC

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